

Name:

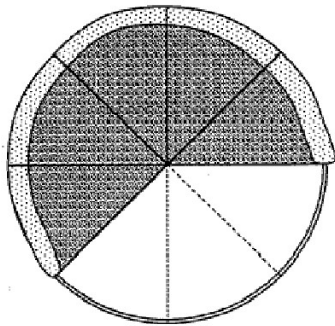
Date:

**Grade 4
Mathematics Probe
Form B**

1. What should replace \square in the number sentence below?
 $14\square 2 = 7$

- A. +
- B. -
- C. \times
- D. \div

2.



The figure above shows that part of a pizza has been eaten. What fraction of the pizza has been eaten?

_____ of the pizza

3. Five children bought exactly enough granola bars to share equally among themselves. Which of the following could be the number of bars bought?

- A. 6
- B. 7
- C. 9
- D. 10

4. Zoe has 4 cartons of Valentine's candy that each weighs the same amount. How could she find the total weight of her four boxes?

- A. Add 4 to the weight of one of the boxes.

- B. Subtract 4 from the weight of one of the boxes.
- C. Divide the weight of one of the boxes by 4.
- D. Multiply the weight of one of the boxes by 4.

5. If I have 50 marbles, how many groups of 5 marbles can I make?

_____ groups

6. Round 15.2 seconds to the nearest whole second.

_____ seconds

7. When you subtract a number from 900, the answer is between 400 and 500.

Name a number that would be true in the statement above.

8. By how much would the value of 5,647 be decreased if the 6 were replaced by a 2?

9.



The picture shows the flowerpots in which Caesar will plant flower seeds. He needs 2 seeds for each pot. A packet contains 12 seeds. How many packets of seeds will Caesar need?

- A. 4
- B. 24
- C. 40
- D. 48

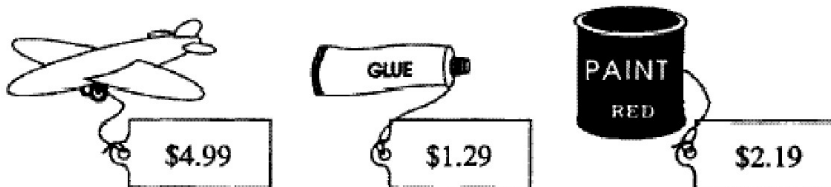
10. Which statement is true?

- A. $602 < 309$
- B. $309 > 602$
- C. $309 = 602$
- D. $602 > 309$

11. April has 3 CD cases. There are 4 games and 15 movies in each case. How many movies does she have?

_____ movies

12.



Tai bought two model planes, glue, and paint for the prices shown above. Estimate to the nearest dollar how much money Tai spent?

\$ _____

13. If n represents the number of pieces of gum that that Isabella chews each day, which of the following represents the total number of pieces of gum that Isabella chews in 3 days?

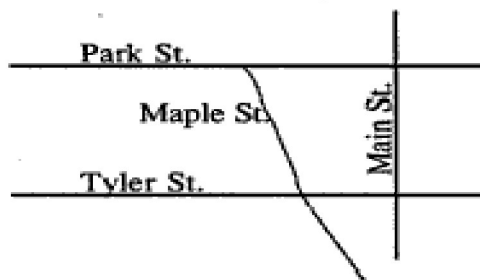
- A. $3 + n$
- B. $3 \times n$
- C. $n + 3$
- D. $(n + n) \times 3$

14.

Rule:	
INPUT X	OUTPUT Y
0	3
2	5
4	7
6	9
8	11

What is the rule used in the function table?

15.



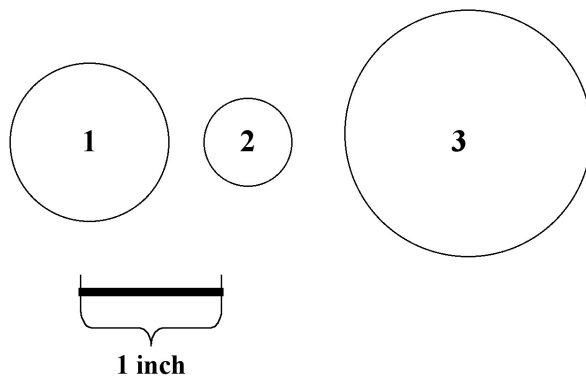
According to the map in the figure above, which streets appear perpendicular to each other?

_____ St. and _____ St.

16. The perimeter of a square is 16 inches. What is the length of one side of the square?

_____ inches

17.



In which circle is the diameter almost 2 inches?

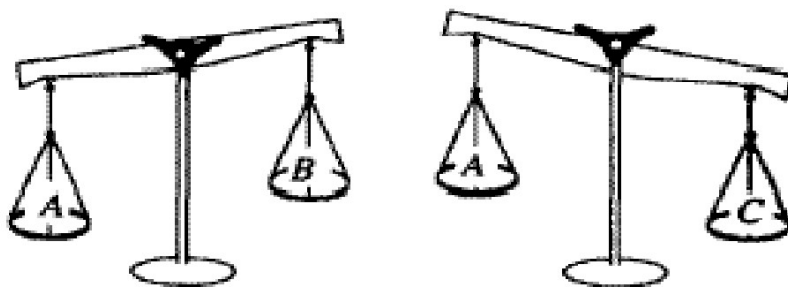
18. You purchase an item costing 37¢. What are the fewest coins you could use to make exactly 37¢? (Name the coins.)

19. What unit of measure would you use to find the length of your foot?

20. If Today is Tuesday, February 14, what day of the week will it be on February 22nd?

- A. Tuesday
- B. Wednesday
- C. Thursday
- D. Friday

21.



The weights of three objects were compared. Two comparisons were made as shown in the figure above. Which object is the lightest?

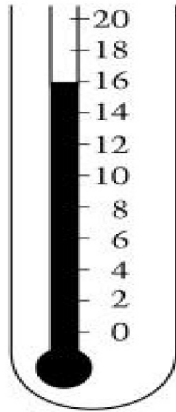
_____ is lightest

22. The length of a trail that Bradley hiked in one day could have been

- A. 2 millimeters
- B. 4 centimeters

- C. 6 meters
- D. 8 kilometers

23.



The Fahrenheit temperature fell from 34 degrees above zero to the temperature shown on the thermometer above. How many degrees did the temperature fall?

_____degrees

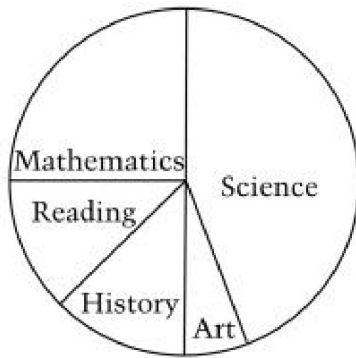
24.

Stickers	Number
Red	
Blue	
Yellow	
Green	++++

The 16 stickers listed above are placed in a box. If one sticker is drawn from the box, which color is it least likely to be?

- A. red
- B. blue
- C. yellow
- D. green

25.



The circle graph above shows the portion of time Pat spent on homework in each subject last week. If Pat spent 4 hours on mathematics, how many hours did Pat spend on reading and history combined?

_____ hours